

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 February 2001 (22.02.2001)

PCT

(10) International Publication Number
WO 01/13132 A1

(51) International Patent Classification⁷: **G01R 31/08**

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(21) International Application Number: PCT/AU00/00964

(22) International Filing Date: 11 August 2000 (11.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PQ 2157 11 August 1999 (11.08.1999) AU
PQ 3088 27 September 1999 (27.09.1999) AU

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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Published:

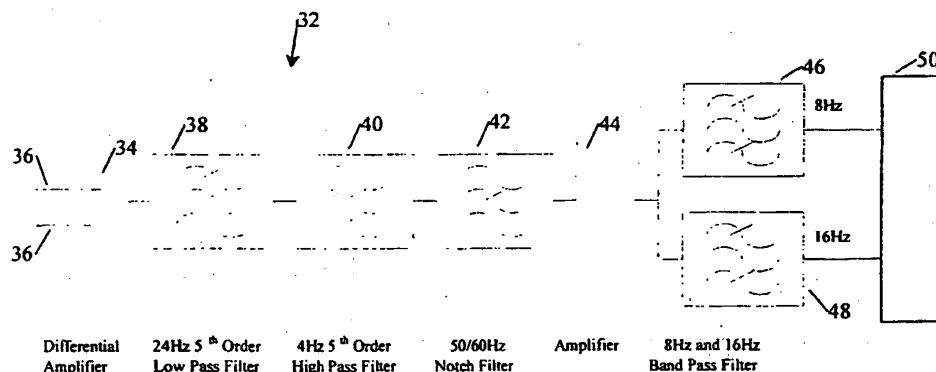
— With international search report.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **FAULT LOCATION DEVICE AND METHOD**



(57) Abstract: Device (32) for determining location of a fault in an underground cable causing an earth leakage path from an internal conductor to earth at the location of the fault, such that when signal is applied to the conductor, earth leakage signal flows between the earth and conductor at the location of the fault. A multi-frequency signal is applied to the cable, this having at least two frequency components. Probe means (24a, 24b) is positionable to receive the earth leakage signal. A processor (50) rectifies a first component of the earth leakage signal, corresponding to one frequency component of said applied signal, multiplies the rectified first component of the earth leakage signal with a second component of the earth leakage signal, corresponding to another frequency component of the applied signal, and from the result of that multiplication, indicates the direction from the device to the fault.